







# MassDOT Board Report

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# National Airport System and the Commonwealth<sup>1</sup>



-  In a previous board report, a categorical description of MA airports included a cross-section of recent capital projects.
-  This report illustrates the FAA matrix used to categorize, describe and measure specific items at our nations' airports, and includes a variety of metrics for each.
-  Importantly, not all airports receive FAA funding, but rely solely on investment dollars from the state, municipality, or owner.
-  Background:
  -  The FAA National Plan of Integrated Airport Systems (NPIAS) identifies AIP-eligible<sup>2</sup> and justified airport improvements that are planned within the next 5 years. The FAA considers improvements included in the NPIAS in the Agency's Airport Capital Improvement Plan process.
  -  The Commonwealth contains 39<sup>3</sup> public-use airports, 28<sup>3</sup> of which are NPIAS airports eligible for AIP funding.

*Note 1: Report to Congress National Plan of Integrated Airport Systems (NPIAS) 2015-2019, USDOT, FAA, 2015, [http://www.faa.gov/airports/planning\\_capacity/npias/reports](http://www.faa.gov/airports/planning_capacity/npias/reports)*

*Note 2: Airport Improvement Program*

*Note 2: Three of the public-use, NPIAS airports are owned and operated by Massport (Logan, Hanscom & Worcester)*

# Airport Categories



## Federal Aviation Administration

### Airport Categories Airports

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The only airports, or portions of airports, eligible for AIP funding are public use airports included in the **National Plan of Integrated Airport Systems (NPIAS)** ([www.faa.gov/airports/planning\\_capacity/npias/](http://www.faa.gov/airports/planning_capacity/npias/)). An airport is defined in the law as any area of land or water used or intended for landing or takeoff of aircraft including appurtenant area used or intended for airport buildings, facilities, as well as rights of way together with the buildings and facilities. Special types of facilities such as seaplane bases and heliports are included in the airport categories listed below.

# Categories of Airport Activities



The law categorizes airports by type of activities, including commercial service, primary, cargo service, reliever, and general aviation airports, as shown below:

## Categories of Airport Activities

Airport Classifications		Hub Type: Percentage of Annual Passenger Boardings	Common Name
<b>Commercial Service:</b> Publicly owned airports that have <i>at least</i> 2,500 passenger boardings each calendar year and receive scheduled passenger service <b>§47102(7)</b>	<b>Primary:</b> Have <i>more than</i> 10,000 passenger boardings each year <b>§47102(16)</b>	<b>Large:</b> 1% or more	<b>Large Hub</b>
		<b>Medium:</b> At least 0.25%, but less than 1%	<b>Medium Hub</b>
		<b>Small:</b> At least 0.05%, but less than 0.25%	<b>Small Hub</b>
		<b>Nonhub:</b> More than 10,000, but less than 0.05%	<b>Nonhub Primary</b>
	<b>Nonprimary</b>	<b>Nonhub:</b> At least 2,500 and no more than 10,000	<b>Nonprimary Commercial Service</b>
		Not Applicable	<b>Reliever</b> <b>§(47102(23))</b>  <b>General Aviation</b> <b>(47102(8))</b>

# General Aviation Airport Categories



## General Aviation Airport Categories

Role	Description
<b>National</b>	Supports the national and state system by providing communities with access to national and international markets in multiple states and throughout the United States.
<b>Regional</b>	Supports regional economies by connecting communities to statewide and interstate markets.
<b>Local</b>	Supplements communities by providing access to primarily intrastate and some interstate markets.
<b>Basic</b>	Links the community with the national airport system and supports general aviation activities (e.g., emergency services, charter or critical passenger service, cargo operations, flight training and personal flying).
<b>Unclassified</b>	Provides access to the aviation system.

# Abbreviations & Definitions



Acronym	Meaning
PU	Ownership: Publicly-Owned
PR	Ownership: Privately-Owned
MA	Ownership: Military Airport
L	Hub: Large
N	Hub: Non-hub
P	Service Level: Primary
R	Service Level: Reliever
GA	Service Level: General Aviation

Term	Definition
Role	GA Role: National, Regional, Local, Basic, or Unclassified
Enplaned	Numbers of passengers at a commercial service airport
Based	Numbers of aircraft that are located (based) at a specific airport for the majority of the year. This can be a complicated measure, and not necessarily indicative of airport level of activity (e.g., Logan has 0 based aircraft)
Dev Estimate	The amount of FAA investment (development) dollars planned for the indicated period of time



# Massachusetts NPIAS Airports (1 of 2)



City	Airport	LocID	Owner-ship	Hub	Role	Service Level		Current Aircraft		2015-2019 Dev Estimate
						Current	Year 5	Enplaned	Based	
Bedford	Laurence G Hanscom Field	BED	PU	N		P	P	11,097	272	\$11,359,651
Beverly	Beverly Municipal	BVY	PU		Regional	R	R	100	100	\$9,322,807
Boston	General Edward Lawrence Logan International	BOS	PU	L		P	P	14,293,695	0	\$74,324,497
Chatham	Chatham Municipal	CQX	PU		Local	GA	GA	42	27	\$800,422
Fitchburg	Fitchburg Municipal	FIT	PU		Local	GA	GA	4	105	\$17,227,602
Gardner	Gardner Municipal	GDM	PU		Local	GA	GA	0	15	\$3,119,883
Great Barrington	Walter J. Koladza	GBR	PR		Unclassified	GA	GA	0	36	\$0
Hyannis	Barnstable Municipal - Boardman/Polando Field	HYA	PU	N		P	P	95,717	53	\$20,833,869
Lawrence	Lawrence Municipal	LWM	PU		Regional	R	R	16	192	\$11,891,766
Mansfield	Mansfield Municipal	1B9	PU		Local	GA	GA	10	89	\$11,403,802
Marshfield	Marshfield Municipal - George Harlow Field	GHG	PU		Local	GA	GA	0	36	\$4,807,836
Montague	Turners Falls	0B5	PU		Local	GA	GA	0	32	\$10,053,425
Nantucket	Nantucket Memorial	ACK	PU	N		P	P	179,128	24	\$9,568,421
New Bedford	New Bedford Regional	EWB	PU	N		P	P	12,256	120	\$17,590,643
North Adams	Harriman-And-West	AQW	PU		Local	GA	GA	3	13	\$3,546,214

# Massachusetts NPIAS Airports (2 of 2)



City	Airport	LocID	Owner-ship	Hub	Role	Service Level		Current Aircraft		2015-2019 Dev Estimate
						Current	Year 5	Enplaned	Based	
Northampton	Northampton	7B2	PR		Unclassified	GA	GA	7	72	\$0
Norwood	Norwood Memorial	OWD	PU		National	R	R	58	141	\$7,412,866
Orange	Orange Municipal	ORE	PU		Local	GA	GA	0	38	\$9,519,303
Pittsfield	Pittsfield Municipal	PSF	PU		Regional	GA	GA	53	30	\$13,736,705
Plymouth	Plymouth Municipal	PYM	PU		Regional	GA	GA	12	100	\$24,369,064
Provincetown	Provincetown Municipal	PVC	PU	N		P	P	11,580	10	\$8,913,395
Southbridge	Southbridge Municipal	3B0	PU		Local	GA	GA	0	27	\$3,613,388
Springfield/ Chicopee	Westover ARB/Metropolitan	CEF	MA		Regional	GA	GA	1,302	23	\$19,931,581
Stow	Minute Man Air Field	6B6	PR		Unclassified	GA	GA	0	58	\$0
Taunton	Taunton Municipal – King Field	TAN	PU		Local	GA	GA	0	110	\$11,194,763
Vineyard Haven	Marthas Vineyard	MVY	PU	N		P	P	50,484	78	\$15,327,485
Westfield/ Springfield	Westfield-Barnes Regional	BAF	PU		National	GA	GA	448	131	\$22,457,546
Worcester	Worcester Regional	ORH	PU		National	GA	GA	10,750	70	\$13,726,968

*Note 1: FAA Development Investments*



# Massachusetts Non-NPIAS Airports



City	Airport	LocID	Owner-ship	Hub	Role	Service Level		Current Aircraft		2015-2019 Dev Estimate
						Current	Year 5	Enplaned	Based	
Falmouth	East Falmouth Airport	5B6	PR		Unclassified	GA	GA	0	55	\$0
Marlboro	Marlboro Airport	9B1	PR		Unclassified	GA	GA	0	25	\$0
Spencer	Spencer Airport	60M	PR		Unclassified	GA	GA	0	10	\$0
Sterling	Sterling Airport	3B3	PR		Unclassified	GA	GA	0	72	\$0
Barre/Barre Plains	Tanner-Hiller Airport	8B5	PR		Unclassified	GA	GA	0	25	\$0
Berkley	Myricks Airport	1M8	PR		Unclassified	GA	GA	0	3	\$0
Edgartown	Katama Airpark	1B2	PU		Unclassified	GA	GA	0	2	\$0
Hanson	Hanson-Cranland Airport	28M	PR		Unclassified	GA	GA	0	26	\$0
Hopedale-Draper	Hopedale-Draper Airport	1B6	PR		Unclassified	GA	GA	0	15	\$0
West Barnstable	Marstons Mills Airport	2B1	PU		Unclassified	GA	GA	0	26	\$0
Newburyport	Plum Island Airport	2B2	PR		Unclassified	GA	GA	0	9	\$0

# Thank You!

